

012304
16085 U.S.P.T.O.

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223904
10/763461
PTO012304
10/763461
PTOPTO/SB/05 (06-03)
Approved for use through 07/31/2003. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | |
|------------------------|---|
| Attorney Docket No. | QIL-1CDV |
| First Inventor | Shchukin et al. |
| Title | Defect-Free Semiconductor Templates for |
| Express Mail Label No. | EV089885795US |

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:
Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 43]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 10]
5. Oath or Declaration [Total Sheets 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all necessary*)
 - a. Computer Reader Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of Attorney (*when there is an assignee*)
11. English Translation Document (*if applicable*)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
15. Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.: 10/456,377Prior application information: Examiner Maldonado Art Unit: 2823
For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**

| | | | | |
|--|---|----------|-----------------------------------|---|
| <input checked="" type="checkbox"/> Customer Number: | <u>020808</u> | | OR | <input type="checkbox"/> Correspondence address below |
| Name | | | | |
| Address | | | | |
| City | State | Zip Code | | |
| Country | Telephone | Fax | | |
| Name (Print/Type) | <u>Meghan Van Leeuwen</u> | | Registration No. (Attorney/Agent) | <u>45,612</u> |
| Signature |  | | Date | <u>1/23/04</u> |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. PTO

PTO/SB/17 (10-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 927.00)

Complete if Known

Application Number

Filing Date

First Named Inventor Shchukin et al.

Examiner Name

Art Unit

Attorney Docket No. QIL-1CDV

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:Deposit Account Number
Deposit Account Name

02-0910

Brown & Michaels, PC

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | |
|----------|----------|----------|----------|--|--|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |

Fee Paid

1251 110 2251 55 Extension for reply within first month

1252 420 2252 210 Extension for reply within second month

1253 950 2253 475 Extension for reply within third month

1254 1,480 2254 740 Extension for reply within fourth month

1255 2,010 2255 1,005 Extension for reply within fifth month

1401 330 2401 165 Notice of Appeal

1402 330 2402 165 Filing a brief in support of an appeal

1403 290 2403 145 Request for oral hearing

1451 1,510 1451 1,510 Petition to institute a public use proceeding

1452 110 2452 55 Petition to revive - unavoidable

1453 1,330 2453 665 Petition to revive - unintentional

1501 1,330 2501 665 Utility issue fee (or reissue)

1502 480 2502 240 Design issue fee

1503 640 2503 320 Plant issue fee

1460 130 1460 130 Petitions to the Commissioner

1807 50 1807 50 Processing fee under 37 CFR 1.17(q)

1806 180 1806 180 Submission of Information Disclosure Stmt

8021 40 8021 40 Recording each patent assignment per property (times number of properties)

1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))

1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b))

1801 770 2801 385 Request for Continued Examination (RCE)

1802 900 1802 900 Request for expedited examination of a design application

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

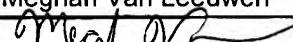
| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|------------------|
| 42 | -20** = 22 | x 9.00 | = 198.00 |
| Independent Claims | 11 | - 3** = 8 | x 43.00 = 344.00 |
| Multiple Dependent | | | = |

| Large Entity | Small Entity | Fee Description |
|--------------|--------------|--|
| Fee Code | Fee Code | Fee Description |
| 1202 18 | 2202 9 | Claims in excess of 20 |
| 1201 86 | 2201 43 | Independent claims in excess of 3 |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 542.00)

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY

| | | | | |
|-------------------|---|-----------------------------------|---------|--------------------------|
| Name (Print/Type) | Meghan Van Leeuwen | Registration No. (Attorney/Agent) | 45,612 | Telephone (607) 256-2000 |
| Signature |  | Date | 1/23/04 | |

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